

International Workshop for Young Maxillofacial Prosthetic Educators | *yMPE*

March 5-8, 2019
Tokyo, Japan

Instructors



Dr. Mahmoud Elbashti

Dr. Elbashti is the founder and the chair of yMPE workshop. He is a lecturer at the Department of Maxillofacial Prosthetics of Tokyo Medical and Dental University (TMDU). Dr. Elbashti is also founder and the Editor-in-Chief of the International Journal of Maxillofacial Prosthetics (iJMP). He is a member of the International Collage of Prosthodontists (ICP), International Society for Maxillofacial Rehabilitation (ISMR), and the Advanced Digital Technology in Head and Neck Reconstruction (ADT). Dr. Elbashti has intensively contributed to the field of Maxillofacial Prosthetics by publishing many articles in the literature. He also has contributed to many national and international conference activities and talks.



Dr. Yuka Sumita

Dr. Sumita is a junior associate professor at the Department of Maxillofacial Prosthetics of TMDU. She is also a Director of the Clinic for Maxillofacial Prosthetics at the Dental Hospital, Faculty of Dentistry, TMDU. She is working as a specialist of maxillofacial prosthetics within a skilful team approach which include oral surgeons, orthodontists, ENT doctors, plastic surgeons, speech therapists and others. Dr. Sumita is responsible for education courses for undergraduate students and supervising PhD students. She has intensively been publishing in the maxillofacial prosthetic literature. She is a board member of Japan Academy of Maxillofacial Prosthetics (JAMP) and a councilor member of Japan Prosthodontics Society (JPS). She is the chair of overseas training promotion committee of the Japanese Cleft Palate Association (JCPA). She is also a committee member of the international relations of American Academy of Maxillofacial Prosthetics (AAMP).



Dr. Mariko Hattori

Dr. Hattori is an assistant professor at the Department of Maxillofacial Prosthetics of TMDU. She is also working as a specialist of maxillofacial prosthetics at the Clinic for Maxillofacial Prosthetics of the Dental Hospital, Faculty of Dentistry, TMDU. Dr. Hattori is responsible for teaching and supervising PhD students. She has authored many articles in the maxillofacial prosthetic literature. Dr. Hattori is a member of Japan Academy of Maxillofacial Prosthetics (JAMP) and a member of Japan Prosthodontics Society (JPS). She is also a member of the Japanese Cleft Palate Association (JCPA) and a member of the International Collage of Prosthodontists (ICP). She has been a visiting research professor at the Department of Prosthetic Dentistry of the Medical Center - University of Freiburg, Germany between 2016-2017.



Dr. Takafumi Otomaru

Dr. Otomaru is an assistant professor at the Department of Maxillofacial Prosthetics of TMDU. He is also working as a specialist of maxillofacial prosthetics at the Clinic for Maxillofacial Prosthetics of the Dental Hospital, Faculty of Dentistry, TMDU. Dr. Otomaru is responsible for teaching and supervising PhD students. He has authored many articles in the maxillofacial prosthetic literature. He is a member of Japan Academy of Maxillofacial Prosthetics (JAMP) and a member of Japan Prosthodontics Society (JPS).

For more information, contact:

Dr. Mahmoud Elbashti
mahmmfp@tmd.ac.jp



TOKYO MEDICAL AND DENTAL UNIVERSITY



International College
of Prosthodontists



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Invited Instructors



Prof. Takayuki Arai

Prof. Arai is a professor and the chair of the Department of Electrical and Electronics Engineering, Sophia University. His research interests cover varieties of sound and speech sciences which include but not limited to speech dynamics, speech transmission, cleft palate speech, education in acoustics, nasalization, human vocal tract, speech analysis, intelligibility, automatic speech recognition, room acoustics, digital hearing aids, language identification, speech processing, speech science, vowel, speech disorders, speech processing, modulation spectrum, hands-on tools, and physical models. He has published many books and peer-reviewed journal articles. He also has contributed to many national and international conference activities and talks. Prof. Arai is a committee member and member of many Japanese and international societies which include Acoustical Society of America(ASA), The Acoustical Society of Japan(ASJ), The Phonetic Society of Japan(PSJ), The Society of Logopedics and Phoniatrics, Japan(SLPJ), The Society of Medical Electronics and Biological Engineering, Japan(SMEBEJ), Japanese Cleft Palate Association(JCPA), The Japanese Association of Communication Disorders(JACD), Japanese Society of Applied Physiology(JSAP), International Speech Communication Association(ISCA).



Prof. Tomoki Itamiya

Prof. Itamiya is a professor at the Department of Media Informatics, Faculty of Engineering, Aichi University of Technology. His research interests cover varieties of media informatics sciences which include but not limited to Perceptual information processing, Informatics, Multimedia database, Design science, Human interface and interaction, Safety system science, and Social systems engineering. Prof. Itamiya is a member of many societies which include the Japanese Society of Medical Imaging Technology (JSMIT), Japan Society of Plastic and Reconstructive Surgery (JSPRS), The Institute of Electronics, Information and Communication Engineers (IEICE). He has published many peer-reviewed journal articles. He also has contributed to many national and international conference activities and talks.



Dr. Christine Wallace

Dr. Wallace is an associate professor and clinical coordinator of the Doctor of Clinical Dentistry (Prosthodontics) program at the University of Sydney. Within this program Dr. Wallace co-ordinates the unit on Maxillofacial Prosthodontics, as well as supervising in the clinic. She is currently the only board registered Maxillofacial Prosthodontist in Australia. She holds the position of Head of the Department of Oral Restorative Sciences at the Westmead Centre of Oral Health, Sydney, Australia. She is a consulate member of the International Society for Maxillofacial Rehabilitation (ISMR). She has published many peer-reviewed journal articles and contributed to many national and international conference activities and talks.



Dr. Yamen Saraji

Dr. Saraji is an assistant professor at the Graduate School of Media Design of Keio University. He is responsible for teaching and supervising master students. His research interests cover Wearable Robotics, Telexistence, Haptics, Virtual and Augmented Reality, and Human Augmentation. He has authored many articles in media design and related fields. He is a member of Virtual Reality Society of Japan (VRSJ).

For more information, contact:

Dr. Mahmoud Elbashti
mahmmfp@tmd.ac.jp



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International Workshop for Young Maxillofacial Prosthetic Educators (yMPE)		
Workshop Program		
Days	Time	Contents
Day 1 March 05, 2019		In the first part of the first day of the program, a brief introduction about the workshop will be presented and 3 lectures will be given for the educators followed by 10 minutes discussion for each lecture. The lectures will take place at one of the lecture rooms of TMDU. These lectures will focus more on the educational aspects, which are as following;
	08:30 – 09:00	Introduction to the workshop. (Dr. Elbashti)
	09:00 – 10:00	*1. Towards effective visualization of maxillofacial defects and prosthetics in education using three-dimensional (3D) portable document format (PDF). (Dr. Elbashti)
	10:00 – 10:10	Discussion
	10:10 – 11:10	*2. The role of Maxillofacial Prosthodontist in the radiotherapy approach for tumor patients. (Dr. Sumita)
	11:10 – 11:20	Discussion
	11:20 – 12:20	*3. Clinical considerations for immediate surgical obturators: the need of effective cooperation with surgeons. (Dr. Sumita)
	12:20 – 12:30	Discussion
	12:30 – 13:30	Lunch time – University's restaurant, Building 1 East, ninth floor.
		In the second part of the first day of the program, clinical observation will take place at the Clinic of Maxillofacial Prosthetics of the Dental Hospital- TMDU. Educators will be divided to 3 groups. Each group will be introduced to the clinic facilities and will observe various maxillofacial defect cases and their prosthetic rehabilitation. These cases include Maxillectomy, Mandibulectomy, Glossectomy, cleft lip and palate cases, facial defect cases. The medical and dental history will be reviewed and the prosthetic treatment will be discussed with educators.
	13:30 – 15:30	**Clinical observation for several maxillofacial defect patients and their prosthetic treatment.
	15:30 – 17:00	Review of medical and dental history and discuss about prosthetic treatment with educators.
	17:00 – 17:30	General discussion
Day 2 March 06, 2019		In the first part of the second day of the program, clinical observation will continue at the Clinic of Maxillofacial Prosthetics of the Dental Hospital- TMDU. Educators will continue to observe various maxillofacial defect cases and their prosthetic rehabilitation. The medical and dental history will be reviewed and the prosthetic treatment will be discussed with educators.
	09:00 – 11:00	**Clinical observation for several maxillofacial defect patients and their prosthetic treatment.
	11:00 – 12:20	Review of medical and dental history and discuss about prosthetic treatment with educators.
	12:30 – 13:30	Lunch time – Restaurant outside the university
		In the second part of the second day of the program, 3 more lectures will be given for the educators followed by 10 minutes discussion for each lecture. These lectures will focus more on the educational aspects, which are as following;
	13:30 – 14:30	***1. Musicians' dentistry: the role of maxillofacial prosthodontist in the field. (Dr. Hattori)
	14:30 – 14:40	Discussion
	14:40 – 15:40	***2. Maxillofacial prosthetics in Australia, outlining the development of the field over the past 20 years. (Dr. Wallace)
	15:40 – 15:50	Discussion
	15:50 – 16:50	***3. Digital evaluation of speech in maxillofacial Prosthetics. (Dr. Hattori)
	16:50 – 17:00	Discussion
Day 3 March 07, 2019		In the third day of the program, hands on prosthodontic journals review will take place at one of the lecture rooms of TMDU. 3 international prosthodontic journals that have impact factor will be reviewed regarding the maxillofacial prosthetic publications. Educators will be divided to 3 working teams. Each team will work on one of these journals and review the maxillofacial prosthetic articles in the last 3 years. In the end, each team needs to present their finding in a structured oral presentation using power point. Each presentation will be evaluated and comments will be given for each presentation.
	09:00 – 09:15	† Introduction to international prosthodontic journals. (Dr. Elbashti)
	09:15 – 12:30	† Reviewing international prosthodontic journals regarding maxillofacial prosthetic publications
	12:30 – 13:30	Lunch time – Restaurant outside the university
	13:30 – 15:30	† Discussion and presentation preparation within teams
	15:30 – 16:00	† First team presentation
	16:00 – 16:30	† Second team presentation
	16:30 – 17:00	† Third team presentation
	17:00 – 17:30	† General discussion
Day 4 March 08, 2019		In the first part of the fourth day, a lecture and hands on various speech production and evaluation will take place at one of the lecture rooms of TMDU. Various physical models for speech production including vowels and consonants. Educators will have the practical experience to produce sounds and use these techniques for teaching their students.
	09:00 – 10:00	†Introduction to various speech production and evaluation using physical models. (Prof. Arai)
	10:00 – 12:30	†Hands on speech production using various physical models of simulated human head.
	12:30 – 13:30	Lunch time – within the university, the place will be announced latter
		In the second part of the fourth day, a lecture and hands on augmented and mixed reality using holographic computing for maxillofacial defects will take place at one of the lecture rooms of TMDU. Educators will have the practical experience on augmented and mixed reality and use these techniques for teaching their students in the future.
	13:30 – 14:30	†Introduction to augmented and mixed reality for maxillofacial defects. (Prof. Itamiya)
	14:30 – 16:30	†Hands on augmented and mixed reality using holographic computing for maxillofacial defects.
	16:30 – 17:30	†A potential new approach for robotic hands in maxillofacial prosthetics. (Dr. Saraiji)
	17:30 – 18:00	Workshop overview, closing remarks, and certificates handling.

*Main lecture room, Building 7, Fifth floor./ **Clinic for Maxillofacial Prosthetics, 6th floor of the Dental Hospital. / *** Main lecture room, Building 7, third floor. †Lecture rooms # 1 and 2, Building 1 East, sixth floor.